extracted secondary station light emission intensity, on result of said judgement as to whether or not the decoding is normally completed, and on said judged reception light intensity level;

coding transmission data and information on said determined light emission intensity of the primary station; and

converting said coded transmission data and said coded light emission intensity information to an optical signal with said determined light emission intensity.

REMARKS

Applicants respectfully request that the subject CPA be further preliminarily amended as provided in the foregoing amendment. During a telephone conference with the Examiner the undersigned was advised that the after final amendment had been entered into the subject CPA and that as result certain of the claims had been canceled and in particular claims that were being amended in the preliminary amendment. Applicants indicated that a second Preliminary Amendment would be filed to re-introduce the canceled claims as new claims in the subject application. The foregoing amendment is being submitted so as to accomplish this. Applicants also respectfully request the Examiner to consider the foregoing amended claims and the remarks and claim amendments provided in Applicants' Response to Final Office Action mailed December 23, 2002 in the first Office Action on the merits of the subject CPA application.

Included herewith is a marked-up version of the amendments to the subject application by the current amendment. The marked-up versions are found on the pages captioned or entitled "Details of Amendments" that follow the signature page of the within Response.

It is respectfully submitted that the subject application is in a condition for allowance. Early and favorable action is requested.

Applicants hereby authorize the Commissioner to charge any fees required for the addition of the foregoing claims into the subject application. If for any reason any other fee is required, a fee paid is inadequate or credit is owed for any excess fee paid, the Commissioner also is hereby authorized and requested to charge Deposit Account No. **04-1105.**

Respectfully submitted,
EDWARDS & ANGELL, LLP

Date: June 13, 2003

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DETAILS OF AMENDMENTS

Please preliminarily amend the subject continued prosecution application (CPA) as follows:

IN THE CLAIMS

Add claims 22-30 that read as follows:

22. (NEW) A digital optical communication device comprising:

an optical reception circuit converting an optical signal received from any external source to an electric signal;

a decoding circuit decoding the electric signal resultant from conversion by said optical reception circuit and judging whether or not the decoding is normally completed;

a reception light intensity level judgement circuit judging an intensity level of received light based on the electric signal resultant from conversion by said optical reception circuit, wherein circuitry of the reception light intensity level judgment circuit for judging an intensity level of received light is configured so as to output one intensity level judgment signal of a plurality of intensity level judgment signals, said one intensity level judgment signal being representative of one determined light emission intensity;

a coding circuit coding transmission data;

an optical transmission circuit determining a light emission intensity based on result of the judgement by said reception light intensity level judgement circuit and result of the judgement by said decoding circuit and converting the transmission data coded by said coding circuit to an optical signal with the determined light emission intensity; and

wherein circuitry of the optical transmission circuit for converting the

transmission data to an optical signal having the light emission intensity is configured so as to be capable of outputting optical signals having any one of a plurality of light emission intensities and wherein a specific one of the plurality of light emissions intensities is selected as said determined light emission intensity responsive to said one intensity level judgment signal.

23. (NEW) The digital optical communication device according to claim 22, wherein

said reception light intensity level judgement circuit compares the electric signal resultant from conversion by said optical reception circuit with a plurality of reference voltages, and judges said intensity level of the received light based on result of the comparison.

24. (NEW) A digital optical communication device comprising:

an optical reception circuit converting an optical signal received from any external source to an electric signal;

a decoding circuit decoding the electric signal resultant from conversion by said optical reception circuit, judging whether or not the decoding is normally completed, and extracting reception light intensity information of a secondary station;

a coding circuit coding transmission data; and

an optical transmission circuit determining a light emission intensity based on the reception light intensity information of the secondary station extracted by said decoding circuit, and converting the transmission data coded by said coding circuit to an optical signal with the determined light emission intensity.

25. (NEW) The digital optical communication device according to claim 24, wherein

said decoding circuit decodes the electric signal resultant from conversion by said optical reception circuit and extracts the reception light intensity information and reception normal completion information of the secondary station, and

said optical transmission circuit determines the light emission intensity based on the reception light intensity information and the reception normal completion information of the secondary station that are extracted by said decoding circuit, and converts the transmission data coded by said coding circuit to the optical signal with the light emission intensity.

26. (NEW) A digital optical communication device comprising:

an optical reception circuit converting an optical signal received from any external source to an electric signal;

a decoding circuit decoding the electric signal resultant from conversion by said optical reception circuit and judging whether or not the decoding is normally completed;

a reception light intensity level judgement circuit judging an intensity level of received light based on the electric signal resultant from conversion by said optical reception circuit;

a coding circuit generating reception light intensity information of a primary station based on result of the judgement by said decoding circuit and result of the judgement by said reception light intensity level judgement circuit and coding transmission data and said reception light intensity information; and

an optical transmission circuit converting the reception light intensity information and the transmission data coded by said coding circuit to an optical signal.

27. (NEW) A digital optical communication method comprising the steps of converting an optical signal received from any external source to an electric signal;

decoding said electric signal resultant from conversion and judging whether or not the decoding is normally completed;

judging an intensity level of received light based on said electric signal resultant from conversion and providing a specific one of a plurality of intensity judgment signal, said specific one judgment signal being representative of one

determined light emission intensity;

coding transmission data; and

determining a light emission intensity based on said judged intensity level of the received light and on result of said judgement as to whether or not the decoding is normally completed, and converting said coded transmission data to an optical signal with the determined light emission intensity, wherein said converting includes selecting a specific one of a plurality of light emission intensities based on said specific one intensity level judgment signal.

28. (NEW) A digital optical communication method comprising the steps of:

converting an optical signal received from any external source to an electric signal;

decoding said electric signal resultant from conversion, judging whether or not the decoding is normally completed, and extracting reception light intensity information of a secondary station;

coding transmission data; and

determining a light emission intensity based on said extracted reception light intensity information of the secondary station, and converting said coded transmission data to an optical signal with the light emission intensity.

29. (NEW) A digital optical communication method comprising the steps of:

converting an optical signal received from any external source to an electric signal;

decoding said electric signal resultant from conversion and judging whether or not the decoding is normally completed;

judging an intensity level of received light based on said electric signal resultant from conversion;

generating reception light intensity information of a primary station based on said judged intensity level of the received light and on result of said judgement as to whether or not the decoding is normally completed, and coding transmission data and

said reception light intensity information; and

converting said coded reception light intensity information and said coded transmission data to an optical signal.

30. (NEW) A digital optical communication method comprising the steps of:

converting an optical signal received from any external source to an electric signal;

decoding said electric signal resultant from conversion, extracting a secondary station light emission intensity, and judging whether or not the decoding is normally completed;

judging a reception light intensity level based on said electric signal resultant from conversion;

determining a light emission intensity of a primary station based on said extracted secondary station light emission intensity, on result of said judgement as to whether or not the decoding is normally completed, and on said judged reception light intensity level;

coding transmission data and information on said determined light emission intensity of the primary station; and

converting said coded transmission data and said coded light emission intensity information to an optical signal with said determined light emission intensity.